

Date: Fri, 25 Feb 94 16:30:40 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #208  
To: Info-Hams

Info-Hams Digest                      Fri, 25 Feb 94                      Volume 94 : Issue 208

Today's Topics:

    \* SpaceNews 28-Feb-94 \*  
    [Q] COLLINS KWM-380 Yaesu ST7000  
    ARRL Repeater Directory (2 msgs)  
    Cordless Phone - call setup  
    Help - Need ARES Packet Software.  
    Nude Radio Amateurs (2 msgs)  
    On-line Repeater Directory (2 msgs)  
    personal communication Australia <-> USA  
    RAMSEY FX TRANSCEIVER  
    Ramsey uC-based Controller  
    Super Morse version 4.04 question

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 25 Feb 94 19:04:20 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: \* SpaceNews 28-Feb-94 \*  
To: info-hams@ucsd.edu

SB NEWS @ AMSAT \$SPC0228  
\* SpaceNews 28-Feb-94 \*

BID: \$SPC0228

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SpaceNews  
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MONDAY FEBRUARY 28, 1994

SpaceNews originates at KD2BD in Wall Township, New Jersey, USA. It is published every week and is made available for unlimited distribution.

\* 137 MHz WXSAT NEWS \*

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NOAA POLAR ORBITING SATELLITES

FREQUENCY

[X]	NOAA-09	Transmitting normal APT VIS/IR	137.620 MHz
[X]	NOAA-10	Transmitting normal APT VIS/IR	137.500 MHz
[X]	NOAA-11	Transmitting normal APT VIS/IR	137.620 MHz
[X]	NOAA-12	Transmitting normal APT VIS/IR	137.500 MHz
[ ]	NOAA-13	Inactive	137.620 MHz

Note: The NOAA Command Center has lost control of this satellite, and the recovery attempts have been suspended.

METEOR SERIES SPACECRAFT

FREQUENCY

[ ]	METEOR 2-16	Inactive	137.850 MHz
[ ]	METEOR 2-17	Inactive	137.850 MHz
[ ]	METEOR 2-18	Inactive	137.850 MHz
[ ]	METEOR 2-19	Inactive	137.850 MHz
[ ]	METEOR 2-20	inactive	137.850 MHz
[X]	METEOR 2-21	Transmitting Normal APT VIS	137.850 MHz

Note: Satellite not heard during night passes.

[ ]	METEOR 3-2	Inactive	137.300 MHz
[X]	METEOR 3-3	Transmitting Normal APT VIS	137.300 MHz

Note: Satellite not heard during night passes.

[ ]	METEOR 3-4	Inactive	137.300 MHz
[X]	METEOR 3-5	Transmitting Normal APT VIS	137.300 MHz

Note: Satellite not heard during night passes.

[Info via HP2DFA]

\* HF PBBS UPDATE \*

=====

The WT0N-3 HF Packet Radio BBS in St. Paul, MN on 10.127 MHz now also supports PACTOR communications under the callsign of WT0N. The BBS is

available for packet operations Monday through Saturday from 1600 UTC until 2300 UTC. PACTOR operations are currently scheduled during the hours of 23:30 UTC and 04:00 UTC. The system carries all AMSAT bulletins and Keplerian data for OSCAR satellites. It also carries other satellite related items such as "SpaceNews".

The BBS is currently set up as an experiment. Comments and suggestions should be directed to the sysop, BJ Arts at any one of the following addresses:

Packet: WT0N@WB0GDB.#STP.MN.USA.NOAM  
Internet: BJARTS@STTHOMAS.EDU  
HF PACKET: WT0N-3 (ON 30 METERS)  
HF PACTOR: WT0N

[Info via WT0N]

#### \* RS-15 NEWS \*

=====

According to reliable sources close to the project, a launch date for RS-15 has still not been firmed up, and the official presentation before the Russian Space Agency has been delayed until 20-Mar-94.

The following is some data pertaining to the transponder carried on RS-15 and its orbital characteristics:

uplink: 145.857 - 145.897 MHz  
downlink: 29.351 - 29.397 MHz  
beacon 29.398 MHz.....P = 0.4/1.2 W  
beacon 29.353 MHz.....P = 0.4/1.2 W  
antenna.....1/4 wavelength  
height.....2,300 km  
inclination.....67 degrees

[Info via Gustavo, LW2DTZ]

#### \* OSCAR TALK AT BERKELEY \*

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On Thursday, March 3rd, at 7:30 PM, Professor Robert Twiggs of Stanford's newly formed small satellite department will be giving a talk about their amateur radio based satellite program. Professor Twiggs's extensive background in amateur satellites at Weber State University included OSCAR WO-18 and NUSAT I. His positive experience with including OSCAR activities in the education curriculum has led him to establish a program at Stanford. He hopes to get faculty, staff, students and local volunteer engineers to work together in a similar manner as was done at WSU to design, build,

launch and operate microsatellites at Stanford. Professor Twiggs will be discussing possible payloads for Stanford's amateur satellites and science payloads for the larger buses that they would like to build.

The talk will be held in downtown Berkeley, CA at UCB's Center for EUV Astrophysics, 2150 Kittredge Street. The CEA is between Shattuck and Oxford Streets, diagonally across from the California Cinema.

A tour of the CEA, including the Science Operations Center for NASA's Extreme Ultraviolet Explorer satellite (EUVE), will be available for those arriving at 7:00 PM.

Will Marchant	Center for Extreme Ultraviolet Astrophysics
marchant@cea.berkeley.edu	University of California
KC6ROL@N0ARY	2150 Kittredge St., Berkeley, CA 94720 USA

\* FO-20 SCHEDULE \*

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The FO-20 command station announced that a slight malfunction in the onboard command system had been detected. As a result, analog mode operation arranged from 09-Feb-94 will be performed on schedule, but there is a possibility of interruption due to satellite ground station control.

The present schedule is as announced before:

Analog mode:

09-Feb-94 07:15	-to-	16-Feb-94 07:40	UTC
23-Feb-94 08:05	-to-	02-Mar-94 06:40	UTC
09-Mar-94 07:05	-to-	16-Mar-94 07:30	UTC
23-Mar-94 07:52	-to-	30-Mar-94 08:15	UTC

Digital mode: Unless otherwise noted above.

[Info via Kazu Sakamoto, JJ1WTK]

\* SpaceNews VIA SATELLITE \*

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SpaceNews distribution via the Amateur Packet Radio Network has been improved recently with the help of high-speed "Pacsat" satellites. These polar orbiting satellites now make SpaceNews available to every inch of the planet several times daily at 9600 bps. My sincere thanks to W3QNS for uploading copies of SpaceNews to the KITSAT OSCAR-23 satellite and making them available for all K0-23 satellite users.

\* CONGRATULATIONS! \*

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Congratulations to Jeff Ward, G0/K8KA, who recently earned his Doctorate degree. Jeff has been instrumental in the design of not only OSCAR satellite hardware, but also the ground station software that is used for Pacsat communications. His work has had a great impact on emerging microsatellite and digital communications technology, and we all look forward to working with him in future satellite projects and in expanding the communications resources available to Amateur Radio operators worldwide.

\* THANKS! \*

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Thanks to all those who sent QSL cards, letters, and messages of appreciation regarding SpaceNews, especially:

N2HZK

KB5ROV

EI6EH

G8INE

\* FEEDBACK/INPUT WELCOMED \*

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Mail to SpaceNews should be directed to the editor (John, KD2BD) via any of the following paths:

FAX : 1-908-747-7107

PACKET : KD2BD @ N2KZH.NJ.USA.NA

INTERNET : kd2bd@ka2qhd.ocpt.ccur.com -or- kd2bd@amsat.org

MAIL : John A. Magliacane, KD2BD  
Department of Engineering and Technology  
Advanced Technology Center  
Brookdale Community College  
Lincroft, New Jersey 07738  
U.S.A.

<<= SpaceNews: The first amateur newsletter read in space! -=>>

/EX

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John A. Magliacane, KD2BD \* /\ \* Voice : 1-908-224-2948  
Advanced Technology Center |/\| Packet : KD2BD @ N2KZH.NJ.USA.NA  
Brookdale Community College |/\| Internet: kd2bd@ka2qhd.ocpt.ccur.com  
Lincroft, NJ 07738 \* /\ \* Morse : -. -.. ..--- .... -..

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Date: 25 Feb 94 21:06:18 GMT

From: news-mail-gateway@ucsd.edu  
Subject: [Q] COLLINS KWM-380 Yaesu ST7000  
To: info-hams@ucsd.edu

> The problem is that he does not have the computer interface  
> information for his Collins transceiver for either the hardware connection  
> and the software commands.

i don't think the KWM-380 has any kind serial data bus on it. if i remember correctly the inputs are a switch matrix that lets you set the frequency. i don't recall much else being adjustable from remote control (it is a late 70's design radio...15 years ago or so??)

should have been in the manual for the equipment.

bill wb9ivr

-----  
Date: 25 Feb 94 18:55:09 GMT  
From: hp-cv!hp-pcd!hpcvsnz!tomb@hplabs.hp.com  
Subject: ARRL Repeater Directory  
To: info-hams@ucsd.edu

Tom Randolph (randolph@est.enet.dec.com) wrote:

: Ok, here's one... 147.345 repeater located in Webster, Mass. has been listed as  
: being in "Princeton" since day 1, sometime back in the 70s. The repeater  
: apparently was on Mt.Wachusett in Princeton for a short time on a test basis,  
: but has been located in Webster since then. No one has noticed this in the past  
: 15-20 years?

Similarly, there's a Seattle-area repeater listed for Montlake Terrace which has been in Lynnwood for quite some time. I caught that one while practicing for a bunny hunt. It did make the practice more realistic ;-)

73, K7ITM

-----  
Date: Thu, 24 Feb 1994 21:18:56 GMT  
From: agate!howland.reston.ans.net!math.ohio-state.edu!news.acns.nwu.edu!ftpbox!mothost!schbbs!waters.corp.mot.com.corp.mot.com!user@ames.arpa  
Subject: ARRL Repeater Directory  
To: info-hams@ucsd.edu

In article <rohvm1.mah48d-240294103246@136.141.220.39>,  
rohvm1.mah48d@rohmmaas.com (John E. Taylor III) wrote:

> Not suggesting that the ARRL does this...I think the city directory guys  
> put in a few phantom addresses or something, which doesn't really affect  
> the overall accuracy. I'm working from memory of something I read in the  
> BNA Patent, Trademark & Copyright Journal a few years ago.

As I recall, it was a Rand McNally map hich was copied, complete with a town of "Ladron Texas". Apparently "Ladron" means thief in Spanish, which was a rather nice touch IMHO. :-)

Whenever I make up a mailing list for a club etc. I usually include myself under a pseudonym for just that reason too. I have caught some interesting mis-use of Ham Club membership lists over the years by doing that!

Mike AA4MW

-----  
Date: 24 Feb 94 19:55:42 GMT  
From: elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!howland.reston.ans.net!math.ohio-state.edu!news.acns.nwu.edu!ftpbox!mothost!delphinium.cig.mot.com!mustang3!thweatt@ames.arpa  
Subject: Cordless Phone - call setup  
To: info-hams@ucsd.edu

I am interested in learning about the communications between the Base and the Hand-Set in setup and tear-down of a call. If you have a good technical understanding of this process, please email me. Does anyone know of any good book, which explains this wire-less interface? This is regarding Cordless not Cellular.

Thanks,  
John

-----  
Date: 25 Feb 94 15:31:27 GMT  
From: nprdc!ihnp4.ucsd.edu!sdd.hp.com!vixen.cso.uiuc.edu!howland.reston.ans.net!sol.ctr.columbia.edu!hamblin.math.byu.edu!yvax.byu.edu!physc1.byu.edu!peterson@network.ucsd.edu  
Subject: Help - Need ARES Packet Software.  
To: info-hams@ucsd.edu

In article <2kgbm8\$t15@ornews.intel.com>, bmiller@landesk.intel.com (Brett Miller - Support Engineer) writes:  
> I have an old posting saying it the ARES packet program is available  
> at byugate.cs.byu.edu in the ARES directory. The program is called

> ARESPACK (v3.0)  
> The posting was made by Keith keithm@wicat.com  
>  
> Hope this helps  
>  
>  
> --  
> Brett Miller N70LQ E-mail: brett\_miller@ccm.hf.intel.com  
> Intel Corp.  
> American Fork, UT  
>

Currently byugate.cs.byu.edu is not reachable (due to a little conflict with our local network security people). However, I will temporarily put this file on physc1.byu.edu in directory hamradio for anonymous ftp. Hope this helps (we hope to have byugate back in normal operation soon but still have some problems to solve to keep the security people happy).

Bryan Peterson, ki7td  
ki7td@byu.edu

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Date: 25 Feb 94 15:46:57 GMT  
From: amd!netcomsv!skyld!jangus@decwrl.dec.com  
Subject: Nude Radio Amateurs  
To: info-hams@ucsd.edu

In article <1994Feb25.074115.14979@bongo.tele.com> julian@bongo.tele.com writes:

> The Conservative radio amateurs always make sure they are  
> properly attired before engaging in QSOs. I always make sure I have on  
> a cute bra and matching pair of clean panties when I pick up the mike.

"I'm a luberjack and I'm ok, I work all night and I sleep all day."

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA	"You have a flair for adding
Internet: jangus@skyld.grendel.com	a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749	story."
Phone: 1 (310) 324-6080	Peking Noodle Co.

-----  
Date: 25 Feb 94 14:31:25 GMT  
From: nprdc!ihnp4.ucsd.edu!swrinde!cs.utexas.edu!howland.reston.ans.net!gatech!  
udel!news.sprintlink.net!news.clark.net!andy@network.ucsd.edu



Subject: Nude Radio Amateurs  
To: info-hams@ucsd.edu

Julian Macassey (julian@bongo.tele.com) wrote:

: I belong to a group with higher purposes. We would never  
: transmit naked. Furthermore, we would never send QSL cards depicting  
: members in the buff.

We who are members of the Formal Amateur Radio Ham Team (FARHT) know about your group, Julian, and we do not consider you well dressed at all. Here at FARHT, we wear tuxes while operating; during contests we add top hats, tails and gloves. (The top hats add the capacitance necessary to work the really big ones; the tails make a great counterpoise.

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Date: 25 Feb 94 16:50:26 GMT  
From: amd!netcomsv!skyld!jangus@decwrl.dec.com  
Subject: On-line Repeater Directory  
To: info-hams@ucsd.edu

In article <jfhCLsBMn.7nJ@netcom.com> jfh@netcom.com writes:

> The ARRL isn't a for-profit organization, and its purpose isn't to make  
> money. They provide many free services, such as the reciprocal operating  
> information, the file server, etc. They also distribute the net directory  
> in electronic form. There may be good reasons for keeping the repeater  
> directory under their control, but "we have to make money off of it" isn't  
> one of them.

Huh? Excuse me, just because a group is listed as non-profit that doesn't mean that they have to operate at a loss on everything. The non-profit aspect only applies to how they are taxed.

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA	"You have a flair for adding
Internet: jangus@skyld.grendel.com	a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749	story."
Phone: 1 (310) 324-6080	Peking Noodle Co.

-----  
Date: 25 Feb 94 13:57:51 GMT  
From: nprdc!ihnp4.ucsd.edu!agate!library.ucla.edu!csulb.edu!csus.edu!netcom.com!  
marcbg@network.ucsd.edu  
Subject: On-line Repeater Directory

To: info-hams@ucsd.edu

Yes, the information in the repeater directory is public information, but the ARRL compiles the information, and puts it into the format that you buy at the stores.

The call-book information is compiled independently by each distributor of the call-book - whether it's in CD format or in hardcopy format - each distributor either compiles their own from FCC tapes, or buys the rights to the information from another supplier.

I believe that if someone has the ambition to write each repeater coordination group, and independently compile a directory for release to on-line format, then not only would they stand to possibly profit a little from the sales, but they could also decide for themselves if they want to make this information available on-line.

The key here is that this information, unlike the callbook info, is not simply available from any other source outside the ARRL, unless you want to compile the listings yourself.

SO .... it's not like the ARRL is protecting something very sacred, it's just that they have a lot of man-hours involved in the repeater directory project, and if there's anyone that can't understand why they don't want to give the information away, well, then, I guess you just don't understand business.

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=====
      Marc B. Grant      Voice Mail: 214-246-1150
      marcbg@netcom.com  Amateur Radio N5MEI
      marcbg@esy.com
=====
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Date: Fri, 25 Feb 1994 03:18:13 GMT  
From: agate!msuinfo!harbinger.cc.monash.edu.au!bruce.cs.monash.edu.au!trilluna!  
titan!rhea!djewell@ames.arpa  
Subject: personal communication Australia <-> USA  
To: info-hams@ucsd.edu

In article <1994Feb21.104420.14516@mel.dit.csiro.au>  
Simon.McClenahan@mel.dit.CSIRO.AU writes:

>

> Is it possible at all for my fiancée and I to purchase some  
> radio equipment and talk to each other? The long distance telephone

>bills are a killer, so I think a couple of thousand dollars worth of  
>radio equipment would be a good investment.

Basically NO!. You'll have to get a licence, either CB (of doubtful use for this purpose) or Amateur. For an Amateur licence you will need to study for examinations as will your fiancée in the US. This could take months or years. Then you've got to buy the equipment and set it all up.

> Is the implementation of my idea legal? Would we need or want  
>a scrambling device? Or is there some sort of "radio etiquette" out  
>there that requires me to talk to other radio hams and join radio  
>clubs and stuff... all I want to do is talk business and pleasure with  
>my future wife (ain't love grand)

Scrambling is basically illegal as is talking "business" on the Ham bands.

> An idea of where to start and what to do would be helpful,  
>because I honestly have no clue.

Call the WIA (wireless Institute of Australia) on (03) 885 9261 and ask them for the name of your local (Carlton??) friendly amateur radio club. Get hold of a contact Phone Number and ring the guy (very few xyls) with a story of unrequited love. I'm sure that after a few minutes of violin strings playing in the background to a story of love such as your own that the club officer will put you in touch of a club member who has regular contact with the US. At worst he will put your plea to the membership at their next club meeting.

Under our law you may talk on amateur equipment under the supervision of the licenced operator. What's more, the same rules exist in the USA and we have an inter-country agreement with the USA for "3rd Party traffic" such as you and your fiancée.

Of course your fiancée needs to find a local ham over there who will also oblige with regular contacts, but then your local ham here may be able to help there too.

How do I know this. I'm a Ham and I've done this for friends before, here and in the USA. Also my fiancée (now wife) was in Canada studying and I arranged regular skeds with her. Most hams will help if they can and if propagation is suitable.

cheers

DJ... (VK3DAJ)

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Date: Thu, 24 Feb 1994 16:22:13 GMT

From: elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!asuvax!pitstop.mcd.mot.com!mcdphx!  
schbbs!NewsWatcher!user@ames.arpa

Subject: RAMSEY FX TRANSCEIVER

To: info-hams@ucsd.edu

In article <762082813snx@skyld.grendel.com>, jangus@skyld.grendel.com  
(Jeffrey D. Angus) wrote:

>  
> In article <CLnz3x.I7B@news.Hawaii.Edu> jherman@uhunix3.uhcc.Hawaii.Edu  
writes: >  
> > That's old news. BUT the HF maritime CW bands are still jumping with  
> > activity and the C.G. is still monitoring them, so CW on the high seas  
> > frequencies is still very much in use.  
>  
> And what frequencies might those be? How about posting them so we can  
> practice our CW listening to \*real manly men\* pounding brass. (Unless  
> of course you're afraid that some anal rententive might accuse you of  
> promoting the jamming of HF maritime CW ops...)

They are usually easy to spot, they are the loud CW signals that are  
calling CQ for hours at a time between the ham bands. Usually next to a  
SITOR or FAX signal. Sounds like electronic keyers (or computers :-) to me  
though - no one sends that regularly by hand for hours at a time.

I listen to them occasionally and rarely hear any actual traffic passed -  
but then I guess Jeff would say I am listening to the wrong HF band or  
something.

The traffic numbers seem to increment by 2-3 a day for the stations I  
monitor. I did hear a "traffic list" (waiting for transmission) that had  
10 messages in it once though. They do keep \*very\* busy I guess :-)

I will post frequencies if I remember to write them down tonight.

Mike AA4MW

-----  
Date: 26 Feb 94 00:18:35 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Ramsey uC-based Controller  
To: info-hams@ucsd.edu

Text item: Text\_1

>Subject: Need info on RAMSEY FX remote tuner  
>Does anyone know sources of information on an external digital tuner  
>(not using a PC or anything non-portable) to randomly tune throughout  
>the FX's entire frequency range? Lee Devlin N3IWP

Lee, I hesitated in this posting... but my good friend Don, KE6AJH, of TechnoLogic Concepts is supposed to be coming out with an 80C51 based controller for the Ramsey FX series of transceivers. Please send me an e-mail (not to this group) and in the meantime, I'll find out how he's coming along.

73, KG7BK, CECILMOORE@DELPHI.COM  
(I do not speak for Intel on Internet)

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Date: 25 Feb 94 16:33:37 GMT  
From: nprdc!ihnp4.ucsd.edu!agate!howland.reston.ans.net!europa.eng.gtefsd.com!  
news.uoregon.edu!netnews.nwnet.net!ns1.nodak.edu!news.uoknor.edu!  
chris%uoknor.edu@network.ucsd.edu  
Subject: Super Morse version 4.04 question  
To: info-hams@ucsd.edu

On 24 Feb 1994 17:08:49 GMT, Robert H Wiley wrote:

>I have been using Super Morse version 4.04 for a while now, and have  
>encountered a problem while attempting to use it in Windows v. 3.1. When I  
>attempt to have it send code, it groups letters together. For example, if I  
>had it send the word 'AT', it comes out with a letter W. This, however, does  
>not happen if I shut down windows, and load it from DOS. I don't really  
>believe my system would be in question (486 SX-25 w/4 megs of RAM), since it's  
>a fairly normal setup. Any suggestions?

I had the same problem with an earlier version of SM. I suspect it happens because Windows is "time slicing," and that screws up SM's timing. Did you try making SM operate "exclusively," i.e., where all other programs are stopped? To do this, you would modify the PIF you are using for SM. I can't remember if I tried this or not. [I used SM to help pass my Extra a year ago, so I haven't needed it in a while :-)].

Jud

+-----+  
| Jud Ahern KC5RI                   Internet: jahern@geohub.gcn.uoknor.edu |  
| Geology & Geophysics            Bitnet: jahern@uokgcn.bitnet           |  
| University of Oklahoma   "Opinions expressed here reflect the entire|  
| Norman, OK 73019           University, in one convenient location." |  
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End of Info-Hams Digest V94 #208

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